

1 / 11

Fig. 1

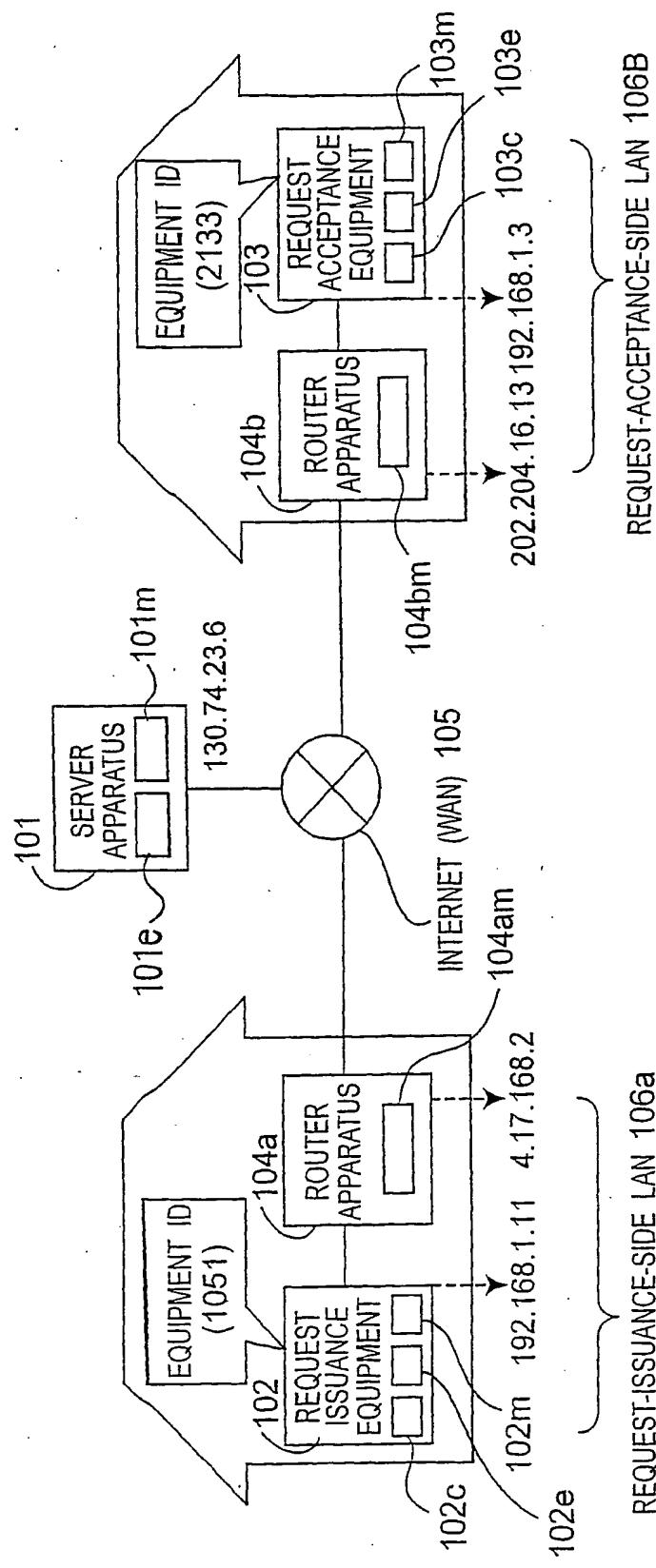


Fig.2

2/11

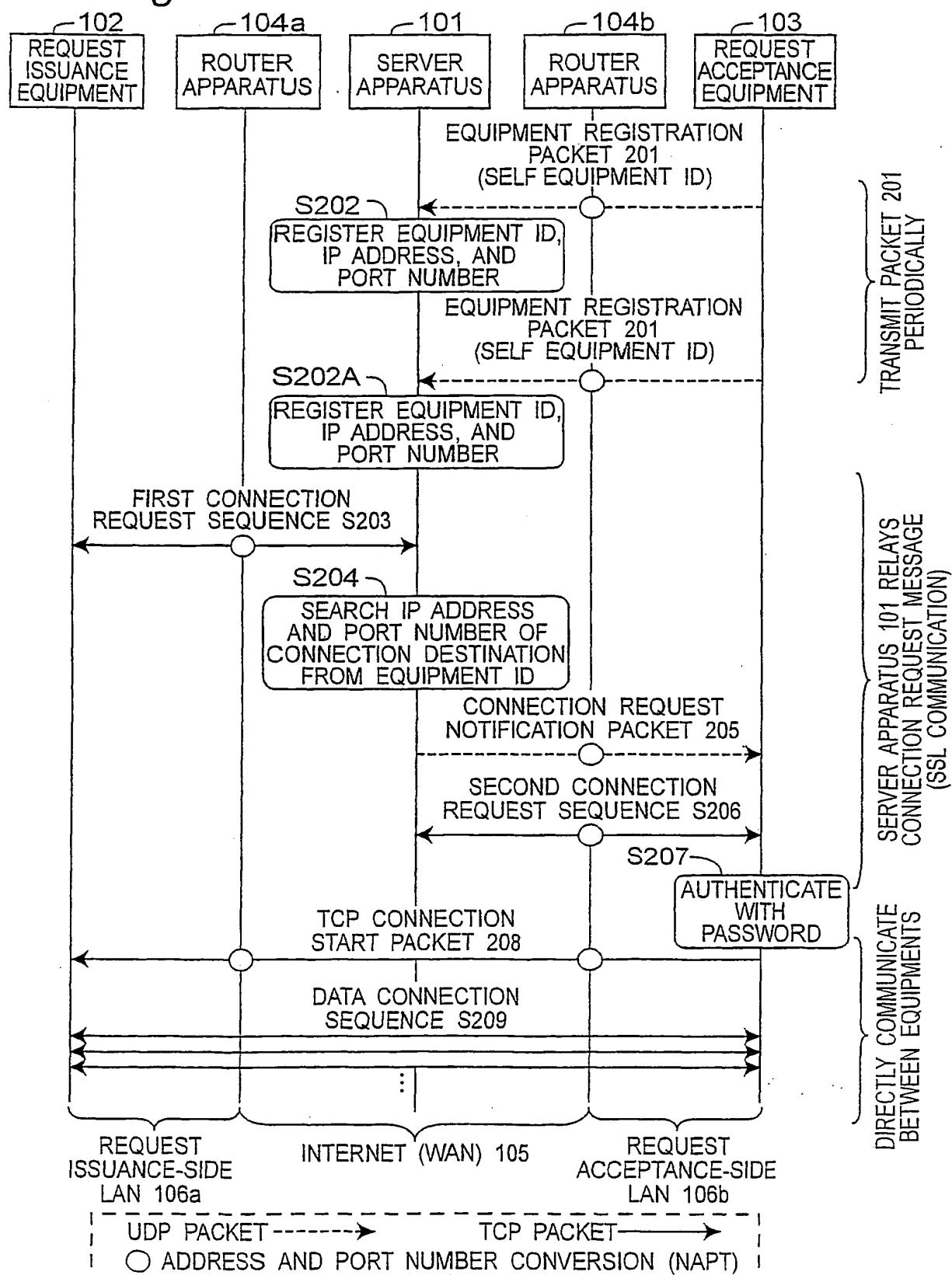
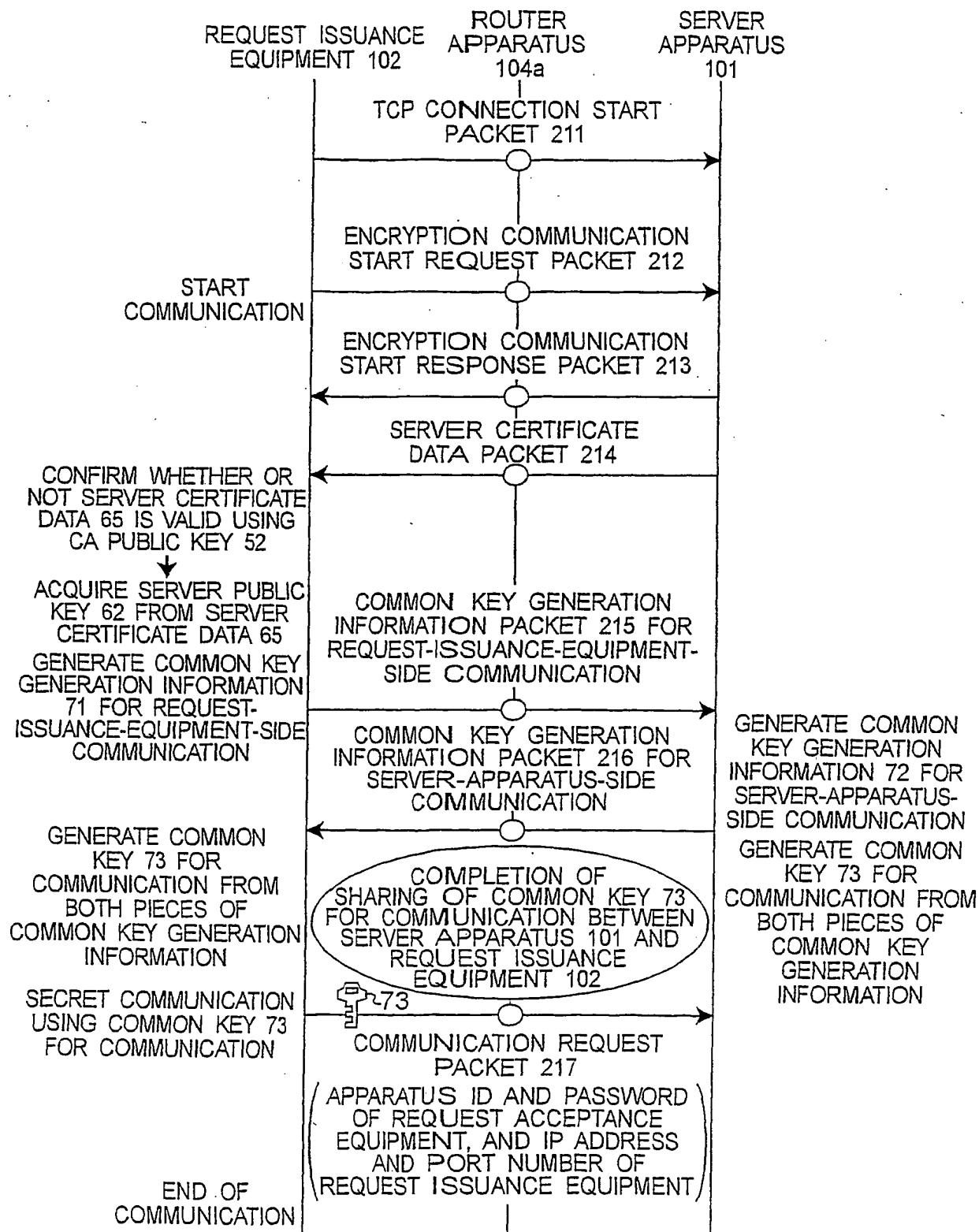


Fig.3

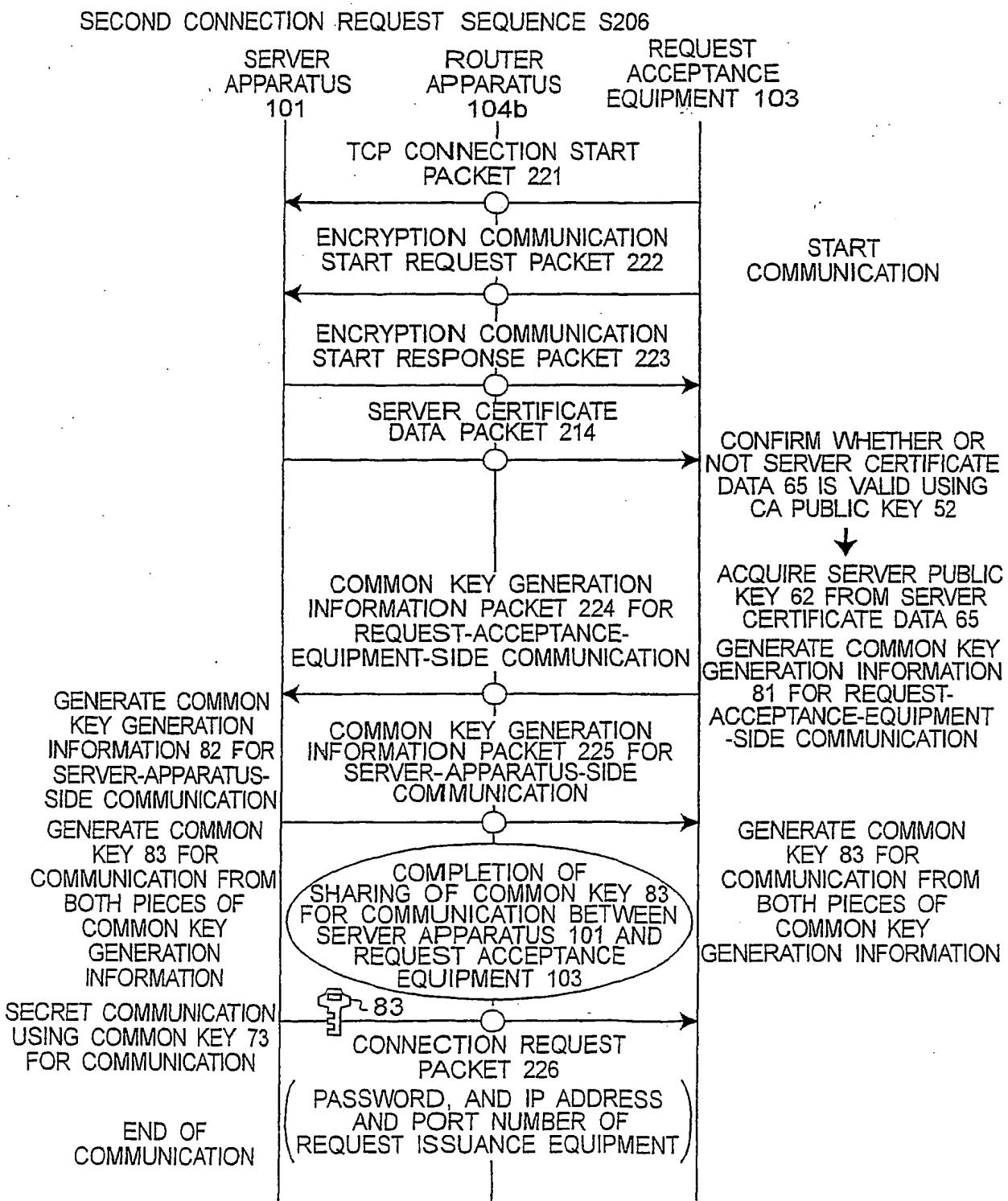
3/11

FIRST CONNECTION REQUEST SEQUENCE S203



4/11

Fig.4



5/11

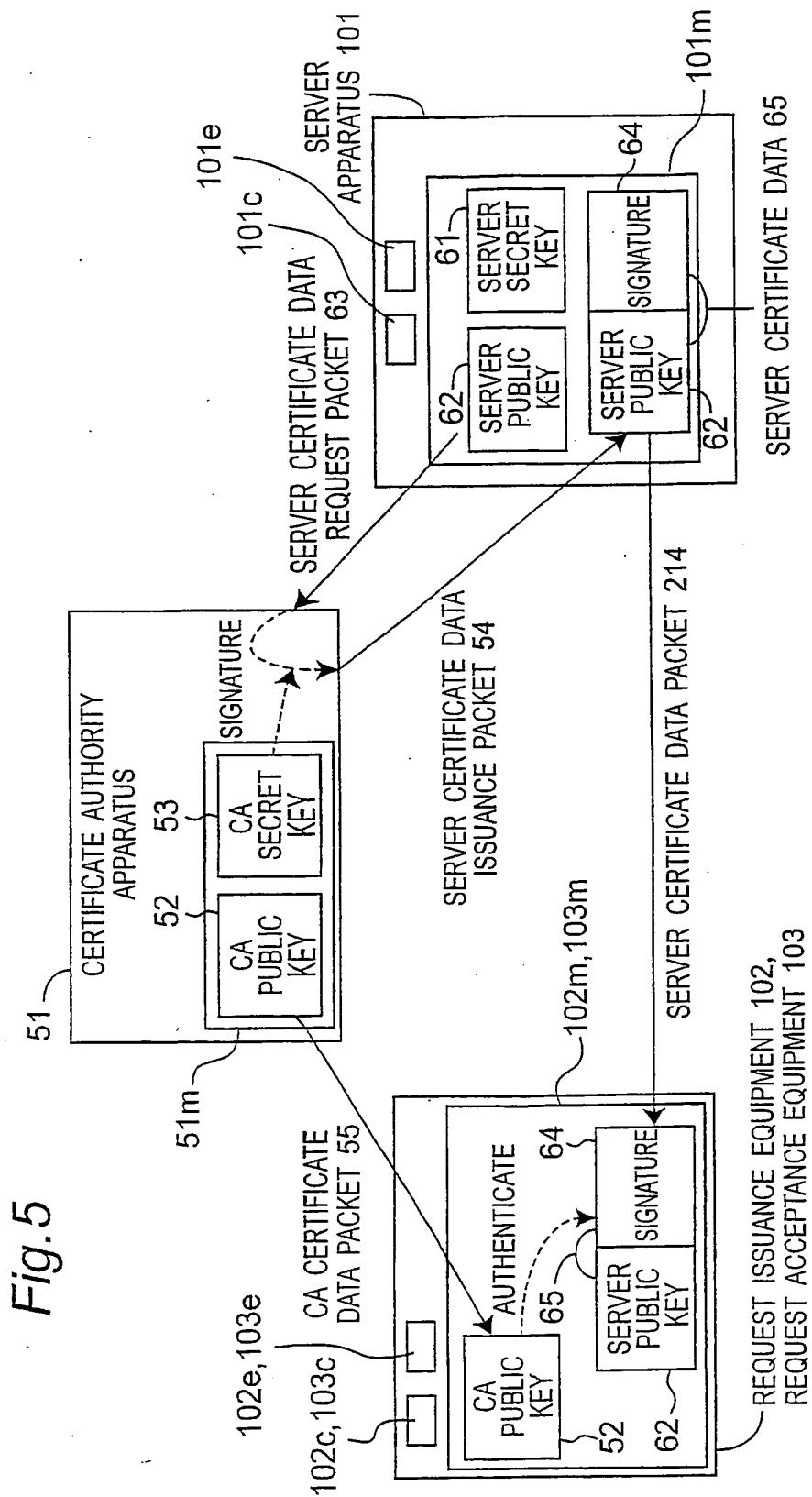


Fig. 6

104am

| LAN EQUIPMENT ADDRESS | WAN ROUTER ADDRESS | LAN EQUIPMENT PORT NUMBER | WAN ROUTER PORT NUMBER |
|-----------------------|--------------------|---------------------------|------------------------|
| 192.168.1.11 | 4.17.168.2 | 1500 | 7000 |
| 192.168.1.11 | 4.17.168.2 | 1600 | 5000 |
| --- | --- | --- | --- |

FOR TCP COMMUNICATION WITH SERVER APPARATUS 101

FOR TCP COMMUNICATION WITH REQUEST ACCEPTANCE EQUIPMENT 103

7/11

*Fig.7A*EQUIPMENT REGISTRATION
PACKET 201 (LAN SIDE)

| |
|---|
| SA= 192.168.1.3 |
| DA= 130.74.23.6 |
| SP= 2000 |
| DP= 1200 |
| EQUIPMENT ID OF REQUEST ACCEPTANCE EQUIPMENT 103 (2133) |

SA: SOURCE ADDRESS FIELD
 DA: DESTINATION ADDRESS FIELD
 SP: SOURCE PORT NUMBER FIELD
 DP: DESTINATION PORT NUMBER FIELD

*Fig.7B*EQUIPMENT REGISTRATION
PACKET 201 (WAN SIDE)

| |
|---|
| SA= 202.204.16.13 |
| DA= 130.74.23.6 |
| SP= 3400 |
| DP= 1200 |
| EQUIPMENT ID OF REQUEST ACCEPTANCE EQUIPMENT 103 (2133) |

SA: SOURCE ADDRESS FIELD
 DA: DESTINATION ADDRESS FIELD
 SP: SOURCE PORT NUMBER FIELD
 DP: DESTINATION PORT NUMBER FIELD

*Fig.7C*CONNECTION REQUEST
PACKET 217 (LAN SIDE)

| |
|--|
| SA= 192.168.1.11 |
| DA= 130.74.23.6 |
| SP= 1500 |
| DP= 1201 |
| EQUIPMENT ID OF REQUEST ACCEPTANCE EQUIPMENT 103 (2133) |
| PASSWORD OF REQUEST ACCEPTANCE EQUIPMENT 103 |
| IP ADDRESS OF REQUEST- ISSUANCE-SIDE LAN 106a (4.17.168.2) |
| PORT NUMBER OF REQUEST- ISSUANCE-SIDE LAN 106a (5000) |

SA: SOURCE ADDRESS FIELD
 DA: DESTINATION ADDRESS FIELD
 SP: SOURCE PORT NUMBER FIELD
 DP: DESTINATION PORT NUMBER FIELD

*Fig.7D*CONNECTION REQUEST
PACKET 217 (WAN SIDE)

| |
|--|
| SA= 4.17.168.2 |
| DA= 130.74.23.6 |
| SP= 7000 |
| DP= 1201 |
| EQUIPMENT ID OF REQUEST ACCEPTANCE EQUIPMENT 103 (2133) |
| PASSWORD OF REQUEST ACCEPTANCE EQUIPMENT 103 |
| IP ADDRESS OF REQUEST- ISSUANCE-SIDE LAN 106a (4.17.168.2) |
| PORT NUMBER OF REQUEST- ISSUANCE-SIDE LAN 106a (5000) |

SA: SOURCE ADDRESS FIELD
 DA: DESTINATION ADDRESS FIELD
 SP: SOURCE PORT NUMBER FIELD
 DP: DESTINATION PORT NUMBER FIELD

Fig.8A

CONNECTION REQUEST NOTIFICATION PACKET 205 (LAN SIDE)

| |
|--------------------------------------|
| SA= 130.74.23.6 |
| DA= 192.168.1.3 |
| SP= 1200 |
| DP= 2000 |
| CONNECTION REQUEST NOTIFICATION FLAG |

SA: SOURCE ADDRESS FIELD
 DA: DESTINATION ADDRESS FIELD
 SP: SOURCE PORT NUMBER FIELD
 DP: DESTINATION PORT NUMBER FIELD

Fig.8B

CONNECTION REQUEST NOTIFICATION PACKET 205 (WAN SIDE)

| |
|--------------------------------------|
| SA= 130.74.23.6 |
| DA= 202.204.16.13 |
| SP= 1200 |
| DP= 2400 |
| CONNECTION REQUEST NOTIFICATION FLAG |

SA: SOURCE ADDRESS FIELD
 DA: DESTINATION ADDRESS FIELD
 SP: SOURCE PORT NUMBER FIELD
 DP: DESTINATION PORT NUMBER FIELD

Fig.8C

CONNECTION REQUEST PACKET 226 (LAN SIDE)

| |
|---|
| SA= 130.74.23.6 |
| DA= 192.168.1.3 |
| SP= 1300 |
| DP= 2600 |
| PASSWORD OF REQUEST ACCEPTANCE EQUIPMENT 103 |
| IP ADDRESS OF REQUEST-ISSUANCE-SIDE LAN 106a (4.17.168.2) |
| PORT NUMBER OF REQUEST-ISSUANCE-SIDE LAN 106a (5000) |

SA: SOURCE ADDRESS FIELD
 DA: DESTINATION ADDRESS FIELD
 SP: SOURCE PORT NUMBER FIELD
 DP: DESTINATION PORT NUMBER FIELD

Fig.8D

CONNECTION REQUEST PACKET 226 (WAN SIDE)

| |
|---|
| SA= 130.74.23.6 |
| DA= 202.204.16.13 |
| SP= 1300 |
| DP= 2401 |
| PASSWORD OF REQUEST ACCEPTANCE EQUIPMENT 103 |
| IP ADDRESS OF REQUEST-ISSUANCE-SIDE LAN 106a (4.17.168.2) |
| PORT NUMBER OF REQUEST-ISSUANCE-SIDE LAN 106a (5000) |

SA: SOURCE ADDRESS FIELD
 DA: DESTINATION ADDRESS FIELD
 SP: SOURCE PORT NUMBER FIELD
 DP: DESTINATION PORT NUMBER FIELD

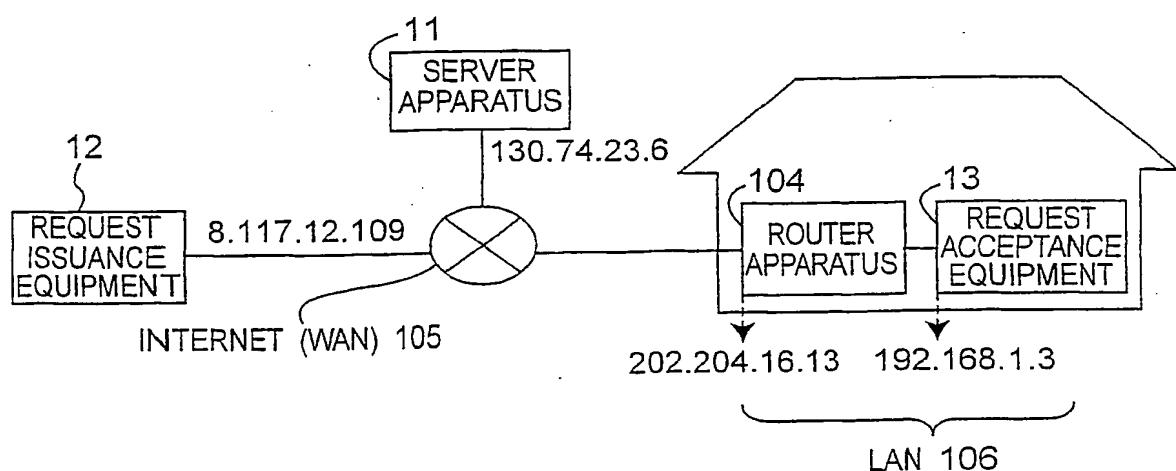
9/11

Fig.9

101m

| EQUIPMENT ID | IP ADDRESS | PORT NUMBER |
|--------------|---------------|-------------|
| 2133 | 202.204.16.13 | 3400 |
| --- | --- | --- |
| --- | --- | --- |

Fig.10



10/11

Fig. 11

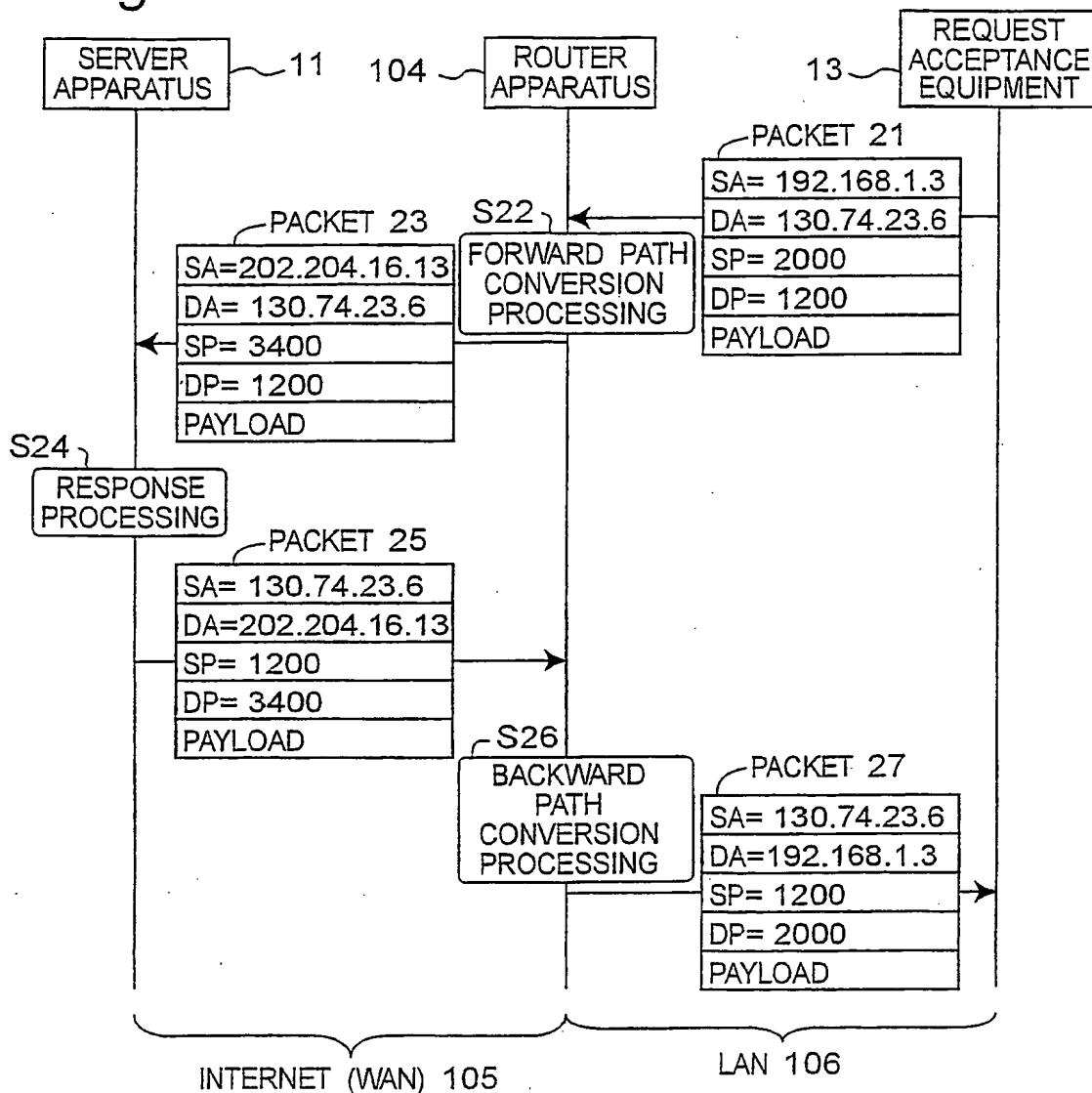


Fig. 12

| LAN EQUIPMENT ADDRESS | WAN ROUTER ADDRESS | LAN EQUIPMENT PORT NUMBER | WAN ROUTER PORT NUMBER |
|-----------------------|--------------------|---------------------------|------------------------|
| 192.168.1.3 | 202.204.16.13 | 2000 | 3400 |
| --- | --- | --- | --- |
| --- | --- | --- | --- |

11/11

Fig. 13

